

<110> INCYTE CORPORATION  
 RAMKUMAR, Jayalaxmi  
 SWARNAKAR, Anita  
 ELLIOT, Vicki S.  
 HAFALIA, April J. A.  
 RICHARDSON, Thomas W.  
 LEE, Soo Yeun  
 LINDQUIST, Erika A.  
 MARQUIS, Joseph P.  
 CHAWLA, Narinder K.  
 KHARE, Reena  
 BECHA, Shanya D.

<120> IMMUNE RESPONSE ASSOCIATED PROTEINS

<130> PF-1565, PCT

<140> To Be Assigned  
 <141> Herewith

<150> US 60/407,561  
 <151> 2002-08-30

<150> US 60/410,178  
 <151> 2002-09-11

<150> US 60/410,571  
 <151> 2002-09-13

<150> US 60/419,906  
 <151> 2002-10-18

<150> US 60/421,445  
 <151> 2002-10-25

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<210> 1  
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 <213> Homo sapiens

<220>  
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 Ser Gly Leu Glu Glu Leu His Ala Ser His Ile Pro Thr Ala Asn  
     20                 25                                 30  
 Pro Gly His Cys Ile Thr Asp Pro Pro Ser Leu Gly Pro Gln Tyr  
     35                 40                                 45  
 His Pro Arg Ser Asn Ser Glu Ser Ser Thr Ser Ser Gly Glu Asp  
     50                 55                                 60  
 Tyr Cys Asn Ser Pro Lys Ser Lys Leu Pro Pro Trp Asn Pro Gln  
     65                 70                                 75  
 Val Phe Ser Ser Glu Arg Ser Ser Phe Leu Glu Gln Pro Pro Asn  
     80                 85                                 90  
 Leu Glu Leu Ala Gly Thr Gln Pro Ala Phe Ser Gly Ser Pro Ser  
     95                 100                                105  
 Pro Gln Pro Asp Ser Thr Asp Asn Asp Asp Tyr Asp Asp Ile Ser

110	115	120
Ala Ala		

<210> 2  
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<220>  
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Ser	Glu	Ser	Ser	Val	Thr	Val	Lys	Ile	Glu	Asn	Lys	Glu	Ser	Arg
				20					25					30
Glu	Leu	Met	Leu	Leu	Ile	Pro	Ser	Ile	Val	Leu	Gly	Ile	Leu	Leu
					35				40					45
Leu	Gly	Ser	Leu	Ile	Phe	Ile	Ala	Phe	Ile	Leu	Leu	Arg	Ile	Lys
					50				55					60
Gly	Lys	Tyr	Val	Phe	Met	Leu	Pro	Ile	Gln	Val	Gln	Ala	Pro	Pro
					65				70					75
Pro	Glu	Asp	Ser	Asp	Ser	Gly	Ser	Asp	Ser	Asp	Tyr	Glu	His	Tyr
					80				85					90
Asp	Phe	Ser	Ala	Gln	Pro	Pro	Val	Ala	Leu	Thr	Thr	Phe	Tyr	Asn
					95				100					105
Ser	Gln	Arg	His	Arg	Val	Thr	Asp	Glu	Glu	Val	Gln	Gln	Ser	Arg
					110				115					120
Phe	Gln	Met	Pro	Pro	Leu	Glu	Glu	Gly	Leu	Glu	Glu	Leu	His	Ala
					125				130					135
Ser	His	Ile	Pro	Thr	Ala	Asn	Pro	Gly	His	Cys	Ile	Thr	Asp	Pro
					140				145					150
Pro	Ser	Leu	Gly	Pro	Gln	Tyr	His	Pro	Arg	Ser	Asn	Ser	Glu	Ser
					155				160					165
Ser	Thr	Ser	Ser	Gly	Glu	Asp	Tyr	Cys	Asn	Ser	Pro	Lys	Ser	Lys
					170				175					180
Leu	Pro	Pro	Trp	Asn	Pro	Gln	Val	Phe	Ser	Ser	Glu	Arg	Ser	Ser
					185				190					195
Phe	Leu	Glu	Gln	Pro	Pro	Asn	Leu	Glu	Leu	Ala	Gly	Thr	Gln	Pro
					200				205					210
Ala	Phe	Ser	Gly	Ser	Pro	Ser	Pro	Gln	Pro	Asp	Ser	Thr	Asp	Asn
					215				220					225
Asp	Asp	Tyr	Asp	Asp	Ile	Ser	Ala	Ala						
					230									

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<212> PRT  
<213> Homo sapiens

<220>  
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Met	Trp	Leu	Phe	Phe	Gly	Ile	Thr	Gly	Leu	Leu	Thr	Ala	Ala	Leu
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Ser	Asp	Ser	Gln	Arg	His	Arg	Val	Thr	Asp	Glu	Glu	Val	Gln	Gln
					20				25					30
Ser	Arg	Phe	Gln	Met	Pro	Pro	Leu	Glu	Glu	Gly	Leu	Glu	Glu	Leu
					35				40					45

His	Ala	Ser	His	Ile	Pro	Thr	Ala	Asn	Pro	Gly	His	Cys	Ile	Thr
50							55						60	
Asp	Pro	Pro	Ser	Leu	Gly	Pro	Gln	Tyr	His	Pro	Arg	Ser	Asn	Ser
65								70					75	
Glu	Ser	Ser	Thr	Ser	Ser	Gly	Glu	Asp	Tyr	Cys	Asn	Ser	Pro	Lys
80								85					90	
Ser	Lys	Leu	Pro	Pro	Trp	Asn	Pro	Gln	Val	Phe	Ser	Ser	Glu	Arg
95									100				105	
Ser	Ser	Phe	Leu	Glu	Gln	Pro	Pro	Asn	Leu	Glu	Leu	Ala	Gly	Thr
110									115				120	
Gln	Pro	Ala	Phe	Ser	Gly	Pro	Pro	Ala	Asp	Asp	Ser	Ser	Ser	Thr
125									130				135	
Ser	Ser	Gly	Glu	Trp	Tyr	Gln	Asn	Phe	Gln	Pro	Pro	Pro	Gln	Pro
140									145				150	
Pro	Ser	Glu	Glu	Gln	Phe	Gly	Cys	Pro	Gly	Ser	Pro	Ser	Pro	Gln
155									160				165	
Pro	Asp	Ser	Thr	Asp	Asn	Asp	Asp	Tyr	Asp	Asp	Ile	Ser	Ala	Ala
170									175				180	

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Met Arg Ala Pro Gly Arg Pro Ala Leu Arg Pro Leu Pro Leu Pro  
1 5 10 15  
Pro Leu Leu Leu Leu Leu Ala Ala Pro Trp Gly Arg Ala Val  
20 25 30  
Pro Cys Val Ser Gly Gly Leu Pro Lys Pro Ala Asn Ile Thr Phe  
35 40 45  
Leu Ser Ile Asn Met Lys Asn Val Leu Gln Trp Thr Pro Pro Glu  
50 55 60  
Gly Leu Gln Gly Val Lys Val Thr Tyr Thr Val Gln Tyr Phe Ile  
65 70 75  
Gly Pro Ser Val

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<212> PRT  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7519541CD1

<400> 5  
Met Asn Leu Ala Ile Ser Ile Ala Leu Leu Leu Thr Val Leu Gln  
1 5 10 15  
Val Ser Arg Gly Gln Lys Val Thr Ser Leu Thr Ala Cys Leu Val  
20 25 30  
Asp Gln Ser Leu Arg Leu Asp Cys Arg His Glu Asn Thr Ser Ser  
35 40 45  
Ser Pro Ile Gln Tyr Glu Phe Ser Leu Thr Arg Glu Thr Lys Lys  
50 55 60  
His Val Leu Phe Gly Thr Val Gly Val Pro Glu His Thr Tyr Arg  
65 70 75

Ser	Arg	Thr	Asn	Phe	Thr	Ser	Lys	Tyr	Asn	Met	Lys	Val	Leu	Tyr
				80				85					90	
Leu	Ser	Ala	Phe	Thr	Ser	Lys	Asp	Glu	Gly	Thr	Tyr	Thr	Cys	Ala
				95				100					105	
Leu	His	His	Ser	Gly	His	Ser	Pro	Pro	Ile	Ser	Ser	Gln	Asn	Val
				110				115					120	
Thr	Val	Leu	Arg	Gly	His	Gly	Phe	His	Val	Pro	Val	Thr	Gly	Gly
				125				130					135	
Ala	His	Gly	Gly	Asp	Arg	Lys	Pro	Gln	Val	Pro	Val	Gln	Arg	Ser
				140				145					150	

<210> 6  
<211> 211  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7520794CD1

<400> 6

Met	Trp	Leu	Leu	Val	Ser	Val	Ile	Leu	Ile	Ser	Arg	Ile	Ser	Ser
1				5				10					15	
Val	Gly	Gly	Glu	Ala	Met	Phe	Cys	Asp	Phe	Pro	Lys	Ile	Asn	His
				20				25					30	
Gly	Ile	Leu	Tyr	Asp	Glu	Glu	Lys	Tyr	Lys	Pro	Phe	Ser	Gln	Val
				35				40					45	
Pro	Thr	Gly	Glu	Val	Phe	Tyr	Tyr	Ser	Cys	Glu	Tyr	Asn	Phe	Val
				50				55					60	
Ser	Pro	Ser	Lys	Ser	Phe	Trp	Thr	Arg	Ile	Thr	Cys	Ala	Glu	Glu
				65				70					75	
Gly	Trp	Ser	Pro	Thr	Pro	Lys	Cys	Leu	Ile	Ser	Ala	Glu	Lys	Cys
				80				85					90	
Gly	Pro	Pro	Pro	Pro	Ile	Asp	Asn	Gly	Asp	Ile	Thr	Ser	Phe	Leu
				95				100					105	
Leu	Ser	Val	Tyr	Ala	Pro	Gly	Ser	Ser	Val	Glu	Tyr	Gln	Cys	Gln
				110				115					120	
Asn	Leu	Tyr	Gln	Leu	Glu	Gly	Asn	Asn	Gln	Ile	Thr	Cys	Arg	Asn
				125				130					135	
Gly	Gln	Trp	Ser	Glu	Pro	Pro	Lys	Cys	Leu	Asp	Pro	Cys	Val	Ile
				140				145					150	
Ser	Gln	Glu	Ile	Met	Glu	Lys	Tyr	Asn	Ile	Lys	Leu	Lys	Trp	Thr
				155				160					165	
Asn	Gln	Gln	Lys	Leu	Tyr	Ser	Arg	Thr	Gly	Asp	Ile	Val	Glu	Phe
				170				175					180	
Val	Cys	Lys	Ser	Gly	Tyr	His	Pro	Thr	Lys	Ser	His	Ser	Phe	Arg
				185				190					195	
Ala	Met	Cys	Gln	Asn	Gly	Lys	Leu	Val	Tyr	Pro	Ser	Cys	Glu	Glu
				200				205					210	
Lys														

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<211> 93  
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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7520826CD1

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Met Ser Arg Gly Leu Gln Leu Leu Leu Leu Ser Cys Ala Tyr Ser  
 1 5 10 15  
 Leu Ala Pro Ala Thr Pro Glu Val Lys Val Ala Cys Ser Glu Asp  
 20 25 30  
 Val Asp Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Val Pro Tyr  
 35 40 45  
 Thr Val Ser Trp Val Lys Lys Phe Ala Arg Leu Gln Ser Ile Phe  
 50 55 60  
 Pro Asp Phe Ser Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val  
 65 70 75  
 Thr Ser Pro Asn Lys His Leu Gly Leu Val Thr Pro His Lys Thr  
 80 85 90  
 Glu Leu Val

<210> 8  
 <211> 219  
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 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7520871CD1

<400> 8

Met Tyr His Gly Met Asn Pro Ser Asn Gly Asp Gly Phe Leu Glu  
 1 5 10 15  
 Gln Gln Gln Gln Gln Gln Pro Gln Ser Pro Gln Arg Leu Leu  
 20 25 30  
 Ala Val Ile Leu Trp Phe Gln Leu Ala Leu Cys Phe Gly Pro Ala  
 35 40 45  
 Gln Leu Thr Gly Asp Cys Arg Ile Pro Gln Ile Glu Asp Ala Glu  
 50 55 60  
 Ile His Asn Lys Thr Tyr Arg His Gly Glu Lys Leu Ile Ile Thr  
 65 70 75  
 Cys His Glu Gly Phe Lys Ile Arg Tyr Pro Asp Pro His Asn Met  
 80 85 90  
 Val Ser Leu Cys Arg Asp Asp Gly Thr Trp Asn Asn Leu Pro Ile  
 95 100 105  
 Cys Gln Gly Cys Leu Arg Pro Leu Ala Ser Ser Asn Gly Tyr Val  
 110 115 120  
 Asn Ile Ser Glu Leu Gln Thr Ser Phe Pro Val Gly Thr Val Ile  
 125 130 135  
 Ser Tyr Arg Cys Phe Pro Gly Phe Lys Leu Asp Gly Ser Ala Tyr  
 140 145 150  
 Leu Glu Cys Leu Gln Asn Leu Ile Trp Ser Ser Pro Pro Arg  
 155 160 165  
 Cys Leu Ala Leu Glu Gly Gly Arg Pro Glu His Leu Phe Pro Val  
 170 175 180  
 Leu Tyr Phe Pro His Ile Arg Leu Ala Ala Ala Val Leu Tyr Phe  
 185 190 195  
 Cys Pro Val Leu Lys Ser Ser Pro Thr Pro Ala Pro Thr Cys Ser  
 200 205 210  
 Ser Thr Ser Thr Thr Ser Leu Phe  
 215

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 <213> Homo sapiens

<220>  
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<223> Incyte ID No: 7520952CD1

<400> 9

Met	Asp	Pro	Lys	Gln	Thr	Thr	Leu	Leu	Cys	Leu	Val	Leu	Cys	Leu
1							5		10					15
Gly	Gln	Arg	Ile	Gln	Ala	Gln	Glu	Gly	Asp	Phe	Pro	Met	Pro	Phe
							20		25					30
Ile	Ser	Ala	Lys	Ser	Ser	Pro	Val	Ile	Pro	Leu	Asp	Gly	Ser	Val
							35		40					45
Lys	Ile	Gln	Cys	Gln	Ala	Ile	Arg	Glu	Ala	Tyr	Leu	Thr	Gln	Leu
							50		55					60
Met	Ile	Ile	Lys	Asn	Ser	Thr	Tyr	Arg	Glu	Ile	Gly	Arg	Arg	Leu
							65		70					75
Lys	Phe	Trp	Asn	Glu	Thr	Asp	Pro	Glu	Phe	Val	Ile	Asp	His	Met
							80		85					90
Asp	Ala	Asn	Lys	Ala	Gly	Arg	Tyr	Gln	Cys	Gln	Tyr	Arg	Ile	Gly
							95		100					105
His	Tyr	Arg	Phe	Arg	Tyr	Ser	Asp	Thr	Leu	Glu	Leu	Val	Val	Thr
							110		115					120
Gly	Leu	Tyr	Gly	Lys	Pro	Phe	Leu	Ser	Ala	Asp	Arg	Gly	Leu	Val
							125		130					135
Leu	Met	Pro	Gly	Glu	Asn	Ile	Ser	Leu	Thr	Cys	Ser	Ser	Ala	His
							140		145					150
Ile	Pro	Phe	Asp	Arg	Phe	Ser	Leu	Ala	Lys	Glu	Gly	Glu	Leu	Ser
							155		160					165
Leu	Pro	Gln	His	Gln	Ser	Gly	Glu	His	Pro	Ala	Asn	Phe	Ser	Leu
							170		175					180
Gly	Pro	Val	Asp	Leu	Asn	Val	Ser	Gly	Ile	Tyr	Arg	Leu	His	Pro
							185		190					195
Pro	Arg	Leu	His	Asp	Ala	Glu	Leu	Asp	Pro	His	Gly	Arg	Gly	Arg
							200		205					210
Thr	Gly	Pro	Arg	Gly	Ser	Leu	Gly	His	Thr	Gly				
							215		220					

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<211> 147

<212> PRT

<213> Homo sapiens

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<221> misc\_feature

<223> Incyte ID No: 7521013CD1

<400> 10

Met	Ala	Arg	Gly	Ala	Ala	Leu	Ala	Leu	Leu	Phe	Gly	Leu	Leu	
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Gly	Val	Leu	Val	Ala	Ala	Pro	Asp	Gly	Gly	Phe	Asp	Leu	Ser	Asp
						20		25						30
Ala	Leu	Pro	Asp	Asn	Glu	Asn	Lys	Lys	Pro	Thr	Ala	Ile	Pro	Lys
						35		40						45
Lys	Pro	Ser	Ala	Gly	Asp	Asp	Phe	Asp	Leu	Gly	Asp	Ala	Val	Val
						50		55						60
Asp	Gly	Glu	Asn	Asp	Asp	Pro	Arg	Pro	Pro	Asn	Pro	Pro	Lys	Pro
						65		70						75
Met	Pro	Asn	Pro	Asn	Pro	Asn	His	Pro	Ser	Ser	Ser	Gly	Ser	Phe
						80		85						90
Ser	Asp	Ala	Asp	Leu	Ala	Asp	Gly	Val	Ser	Gly	Gly	Glu	Gly	Lys
						95		100						105
Gly	Gly	Ser	Asp	Gly	Gly	Gly	Ser	His	Arg	Lys	Glu	Gly	Glu	Glu
						110		115						120
Ala	Glu	Gln	Gly	Glu	Val	Asp	Met	Glu	Ser	His	Arg	Asn	Ala	Asn
						125		130						135
Ala	Glu	Pro	Ala	Val	Gln	Arg	Thr	Leu	Leu	Glu	Lys			

140

145

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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7520129CD1

&lt;400&gt; 11

Met	Leu	Arg	Leu	Leu	Leu	Ala	Leu	Asn	Leu	Ser	Pro	Ser	Ile	Gln
1						5			10					15
Val	Thr	Gly	Asn	Lys	Ile	Leu	Val	Lys	Gln	Ser	Pro	Met	Leu	Val
					20				25					30
Ala	Tyr	Asp	Asn	Ala	Val	Asn	Leu	Ser	Cys	Lys	Tyr	Ser	Tyr	Asn
					35				40					45
Leu	Phe	Ser	Arg	Glu	Phe	Arg	Ala	Ser	Leu	His	Lys	Gly	Leu	Asp
					50				55					60
Ser	Ala	Val	Glu	Val	Cys	Val	Val	Tyr	Gly	Asn	Tyr	Ser	Gln	Gln
					65				70					75
Leu	Gln	Val	Arg	Ser	Lys	Arg	Ser	Arg	Leu	Leu	His	Ser	Asp	Tyr
					80				85					90
Met	Asn	Met	Thr	Pro	Arg	Arg	Pro	Gly	Pro	Thr	Arg	Lys	His	Tyr
					95				100					105
Gln	Pro	His	Ala	Pro	Pro	Arg	Asp	Phe	Ala	Ala	Tyr	Arg	Ser	
					110									115

<210> 12  
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<212> PRT  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7520219CD1

&lt;400&gt; 12

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1					5				10					15
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
					20				25					30
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
					35				40					45
Gln	Glu	Gln	Gly	His	Arg	Ala	Glu	Ala	Thr	Thr	Leu	His	Val	Ala
					50				55					60
Pro	Gln	Gly	Thr	Ala	Met	Ala	Val	Ser	Thr	Phe	Arg	Lys	Leu	Asp
					65				70					75
Gly	Ile	Cys	Trp	Gln	Val	Arg	Gln	Leu	Tyr	Gly	Asp	Thr	Gly	Val
					80				85					90
Leu	Gly	Arg	Phe	Leu	Leu	Gln	Ala	Arg	Asp	Ala	Arg	Gly	Ala	Val
					95				100					105
His	Val	Val	Val	Ala	Glu	Thr	Asp	Tyr	Gln	Ser	Phe	Ala	Val	Leu
					110				115					120
Tyr	Leu	Glu	Arg	Ala	Gly	Gln	Leu	Ser	Val	Lys	Leu	Tyr	Ala	Arg
					125				130					135
Ser	Leu	Pro	Val	Ser	Asp	Ser	Val	Leu	Ser	Gly	Phe	Glu	Gln	Arg
					140				145					150
Val	Gln	Glu	Ala	His	Leu	Thr	Glu	Asp	Gln	Ile	Phe	Tyr	Phe	Pro
					155				160					165
Lys	Tyr	Gly	Phe	Cys	Glu	Ala	Ala	Asp	Gln	Phe	His	Val	Leu	Asp
					170				175					180

Glu Val Arg Arg

<210> 13  
<211> 104  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520229CD1

<400> 13

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1	5						10						15	
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
	20						25						30	
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
	35						40						45	
Gln	Phe	Ala	Gly	Thr	Trp	Leu	Leu	Val	Ala	Val	Gly	Ser	Ala	Cys
	50						55						60	
Arg	Phe	Leu	Gln	Glu	Gln	Gly	His	Arg	Ala	Glu	Ala	Thr	Thr	Leu
	65						70						75	
His	Val	Ala	Pro	Gln	Gly	Thr	Ala	Met	Ala	Val	Ser	Thr	Phe	Arg
	80						85						90	
Lys	Leu	Pro	Arg	Arg	Pro	Arg	Gly	Cys	Ala	Arg	Gly	Cys	Arg	
	95							100						

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<211> 174  
<212> PRT  
<213> Homo sapiens

<220>

<221> misc\_feature  
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<400> 14

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1	5						10						15	
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
	20						25						30	
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
	35						40						45	
Gln	Phe	Ala	Gly	Thr	Trp	Leu	Leu	Val	Ala	Val	Gly	Ser	Ala	Cys
	50						55						60	
Arg	Phe	Leu	Gln	Glu	Gln	Gly	His	Arg	Ala	Glu	Ala	Thr	Thr	Leu
	65						70						75	
His	Val	Ala	Pro	Gln	Gly	Thr	Ala	Met	Ala	Val	Ser	Thr	Phe	Arg
	80						85						90	
Lys	Leu	Asp	Gly	Ile	Cys	Trp	Gln	Ala	Arg	Gln	Leu	Tyr	Gly	Asp
	95						100						105	
Thr	Gly	Val	Leu	Gly	Arg	Phe	Leu	Leu	Gln	Ala	Arg	Asp	Ala	Arg
	110						115						120	
Gly	Ala	Val	His	Val	Val	Val	Ala	Glu	Thr	Asp	Tyr	Gln	Ser	Phe
	125						130						135	
Ala	Val	Leu	Tyr	Leu	Glu	Arg	Ala	Gly	Gln	Leu	Ser	Val	Lys	Leu
	140						145						150	
Tyr	Glu	Pro	Ser	Thr	Pro	Pro	Gly	Ala	Arg	Thr	Pro	Gly	Thr	Leu
	155						160						165	
Ser	Ala	Leu	Gln	Pro	Ala	Arg	Ser	Leu						
	170													

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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 7518556CD1

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Met Leu Phe Leu Gln Phe Leu Leu Leu Ala Leu Leu Leu Pro Gly  
1 5 10 15  
Gly Asp Asn Ala Asp Ala Ser Gln Glu His Val Ser Phe His Val  
20 25 30  
Ile Gln Ile Phe Ser Phe Val Asn Gln Ser Trp Ala Arg Gly Gln  
35 40 45  
Gly Ser Gly Trp Leu Asp Glu Leu Gln Thr His Gly Trp Asp Ser  
50 55 60  
Glu Ser Gly Thr Ile Ile Phe Leu His Asn Trp Ser Lys Gly Asn  
65 70 75  
Phe Ser Asn Glu Glu Leu Ser Asp Leu Glu Leu Leu Phe Arg Phe  
80 85 90  
Tyr Leu Phe Gly Leu Thr Arg Glu Ile Gln Asp His Ala Ser Gln  
95 100 105  
Asp Tyr Ser Lys Tyr Pro Phe Glu Val Gln Val Lys Ala Gly Cys  
110 115 120  
Glu Leu His Ser Gly Lys Ser Pro Glu Gly Phe Phe Gln Val Ala  
125 130 135  
Phe Asn Gly Leu Asp Leu Leu Ser Phe Gln Asn Thr Thr Trp Val  
140 145 150  
Pro Ser Pro Gly Cys Gly Ser Leu Ala Gln Ser Val Cys His Leu  
155 160 165  
Leu Asn His Gln Tyr Glu Gly Val Thr Glu Thr Val Tyr Asn Leu  
170 175 180  
Ile Arg Ser Thr Cys Pro Arg Phe Leu Leu Gly Leu Leu Asp Ala  
185 190 195  
Gly Lys Met Tyr Val His Arg Gln Val Arg Pro Glu Ala Trp Leu  
200 205 210  
Ser Ser Arg Pro Ser Leu Gly Ser Gly Gln Leu Leu Leu Val Cys  
215 220 225  
His Ala Ser Gly Phe Tyr Pro Lys Pro Val Trp Val Thr Trp Met  
230 235 240  
Arg Asn Glu Gln Glu Gln Leu Gly Thr Lys His Gly Asp Ile Leu  
245 250 255  
Pro Asn Ala Asp Gly Thr Trp Tyr Leu Gln Val Ile Leu Glu Val  
260 265 270  
Ala Ser Glu Glu Pro Ala Gly Leu Ser Cys Arg Val Arg His Ser  
275 280 285  
Ser Leu Gly Gly Gln Asp Ile Ile Leu Tyr Trp Ala His Ile Arg  
290 295 300  
Thr Ser Cys Glu Thr Leu Pro Pro Asp Ser Pro Ile Val Leu Arg  
305 310 315  
Thr Gln Gln Pro Arg Ser Leu Val Gln Tyr Ser Asp Ala Ile Pro  
320 325 330  
Ser Thr Leu His Leu Asn Cys Phe Ser Phe Cys Ile Ile Asn Ile  
335 340 345  
Cys

<210> 16  
<211> 67  
<212> PRT  
<213> Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520026CD1

&lt;400&gt; 16

Met	Leu	Pro	Pro	Gly	Thr	Ala	Thr	Leu	Leu	Thr	Leu	Leu	Leu	Ala
1				5						10				15
Ala	Gly	Ser	Leu	Gly	Gln	Lys	Pro	Gln	Arg	Pro	Arg	Arg	Pro	Ala
					20				25					30
Ser	Pro	Ile	Ser	Thr	Ile	Gln	Pro	Lys	Ala	Asn	Phe	Asp	Ala	Gln
					35				40					45
Gln	Val	Glu	Val	Gly	Gly	Gly	Arg	Gly	Arg	Gln	Val	Glu	Val	Val
					50				55					60
Gly	Gly	Val	Glu	Gly										
					65									

&lt;210&gt; 17

&lt;211&gt; 163

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7514650CD1

&lt;400&gt; 17

Met	Asn	Ser	Phe	Ser	Thr	Ser	Ala	Phe	Gly	Pro	Val	Ala	Phe	Ser
1									5		10			15
Leu	Gly	Leu	Leu	Leu	Val	Leu	Pro	Ala	Ala	Phe	Pro	Ala	Pro	Val
									20		25			30
Pro	Pro	Gly	Glu	Asp	Ser	Lys	Asp	Val	Ala	Ala	Pro	His	Arg	Gln
									35		40			45
Pro	Leu	Thr	Ser	Ser	Glu	Arg	Ile	Asp	Lys	Gln	Ile	Arg	Tyr	Ile
									50		55			60
Leu	Asp	Gly	Ile	Ser	Ala	Leu	Arg	Lys	Glu	Thr	Cys	Asn	Lys	Ser
									65		70			75
Asn	Met	Cys	Glu	Ser	Ser	Lys	Glu	Ala	Leu	Ala	Glu	Asn	Asn	Pro
									80		85			90
Asn	Leu	Pro	Lys	Met	Ala	Glu	Lys	Asp	Gly	Cys	Phe	Gln	Ser	Gly
									95		100			105
Phe	Asn	Glu	Ala	Lys	Asn	Leu	Asp	Ala	Ile	Thr	Thr	Pro	Asp	Pro
									110		115			120
Thr	Thr	Asn	Ala	Ser	Leu	Leu	Thr	Lys	Leu	Gln	Ala	Gln	Asn	Gln
									125		130			135
Trp	Leu	Gln	Asp	Met	Thr	Thr	His	Leu	Ile	Leu	Arg	Ser	Phe	Lys
									140		145			150
Glu	Phe	Leu	Gln	Ser	Ser	Leu	Arg	Ala	Leu	Arg	Gln	Met		
									155		160			

&lt;210&gt; 18

&lt;211&gt; 111

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518754CD1

&lt;400&gt; 18

Met	Lys	Ala	Leu	Met	Leu	Leu	Thr	Leu	Ser	Val	Leu	Leu	Cys	Trp
1					5					10				15
Val	Ser	Ala	Asp	Ile	Arg	Cys	His	Ser	Cys	Tyr	Lys	Val	Pro	Val
										20				30

Leu	Gly	Cys	Val	Asp	Arg	Gln	Ser	Cys	Arg	Leu	Glu	Pro	Gly	Gln
35								40						45
Gln	Cys	Leu	Thr	Thr	His	Ala	Tyr	Leu	Glu	Glu	Pro	Cys	Gln	Glu
50									55					60
Ala	Phe	Asn	Gln	Thr	Asn	Arg	Lys	Leu	Gly	Leu	Thr	Tyr	Asn	Thr
65									70					75
Thr	Cys	Cys	Asn	Lys	Asp	Asn	Cys	Asn	Ser	Ala	Gly	Pro	Arg	Pro
80									85					90
Thr	Pro	Ala	Leu	Gly	Leu	Val	Phe	Leu	Thr	Ser	Leu	Ala	Gly	Leu
95									100					105
Gly	Leu	Trp	Leu	Leu	His									
						110								

&lt;210&gt; 19

&lt;211&gt; 264

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7518846CD1

&lt;400&gt; 19

Met	Lys	Leu	Gly	Cys	Val	Leu	Met	Ala	Trp	Ala	Leu	Tyr	Leu	Ser
1					5					10				15
Leu	Gly	Val	Leu	Trp	Val	Ala	Gln	Met	Leu	Leu	Ala	Ala	Ser	Phe
					20					25				30
Glu	Thr	Leu	Gln	Cys	Glu	Gly	Pro	Val	Cys	Thr	Glu	Glu	Ser	Ser
					35					40				45
Cys	His	Thr	Glu	Asp	Asp	Leu	Thr	Asp	Ala	Arg	Glu	Ala	Gly	Phe
					50					55				60
Gln	Val	Lys	Ala	Tyr	Thr	Phe	Ser	Glu	Pro	Phe	His	Leu	Ile	Val
					65					70				75
Ser	Tyr	Asp	Trp	Leu	Ile	Leu	Gln	Gly	Pro	Ala	Lys	Pro	Val	Phe
					80					85				90
Glu	Gly	Asp	Leu	Leu	Val	Leu	Arg	Cys	Gln	Ala	Trp	Gln	Asp	Trp
					95					100				105
Pro	Leu	Thr	Gln	Val	Thr	Phe	Tyr	Arg	Asp	Gly	Ser	Ala	Leu	Gly
					110					115				120
Pro	Pro	Gly	Pro	Asn	Arg	Glu	Phe	Ser	Ile	Thr	Val	Val	Gln	Lys
					125					130				135
Ala	Asp	Ser	Gly	His	Tyr	His	Cys	Ser	Gly	Ile	Phe	Gln	Ser	Pro
					140					145				150
Gly	Pro	Gly	Ile	Pro	Glu	Thr	Ala	Ser	Val	Val	Ala	Ile	Thr	Val
					155					160				165
Gln	Gly	Ala	Ser	Ser	Ser	Ala	Ala	Pro	Pro	Thr	Leu	Asn	Pro	Ala
					170					175				180
Pro	Gln	Lys	Ser	Ala	Ala	Pro	Gly	Thr	Ala	Pro	Glu	Glu	Ala	Pro
					185					190				195
Gly	Pro	Leu	Pro	Pro	Pro	Pro	Thr	Pro	Ser	Ser	Glu	Asp	Pro	Gly
					200					205				210
Phe	Ser	Ser	Pro	Leu	Gly	Met	Pro	Asp	Pro	His	Leu	Tyr	His	Gln
					215					220				225
Met	Gly	Leu	Leu	Leu	Lys	His	Met	Gln	Asp	Val	Arg	Val	Leu	Leu
					230					235				240
Gly	His	Leu	Leu	Met	Glu	Leu	Arg	Glu	Leu	Ser	Gly	His	Arg	Lys
					245					250				255
Pro	Gly	Thr	Thr	Lys	Ala	Thr	Ala	Glu						
					260									

&lt;210&gt; 20

&lt;211&gt; 81

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7519298CD1

&lt;400&gt; 20

Met	Lys	Ala	Ser	Ser	Leu	Ala	Phe	Ser	Leu	Leu	Ser	Ala	Ala	Phe
1				5					10					15
Tyr	Leu	Leu	Trp	Thr	Pro	Ser	Thr	Gly	Leu	Lys	Thr	Leu	Asn	Leu
				20					25					30
Gly	Ser	Cys	Val	Ile	Ala	Thr	Asn	Leu	Gln	Glu	Ile	Arg	Asn	Gly
				35					40					45
Phe	Ser	Glu	Ile	Arg	Gly	Ser	Val	Val	Arg	Lys	Arg	Val	Ser	Thr
				50					55					60
Ser	Pro	Glu	Ser	Leu	Phe	Ser	Ser	Phe	Leu	Val	Arg	Phe	Ser	Phe
				65					70					75
Leu	Ala	Val	Leu	Ala	Val									
				80										

&lt;210&gt; 21

&lt;211&gt; 282

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521374CD1

&lt;400&gt; 21

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1				5					10					15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Leu	Tyr	Glu	Lys
				20					25					30
Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr	Val	Arg	Ala	Gly	Glu
				35					40					45
Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser	Ser	Phe	Asp	Ile	Tyr
				50					55					60
His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu	Leu	Arg	Leu	Pro	Ala
				65					70					75
Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala	Asp	Phe	Pro	Leu	Gly
				80					85					90
Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys	Phe	Gly	Ser	Phe	His
				95					100					105
Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser	Asp	Pro	Leu	Pro	Val
				110					115					120
Ser	Val	Thr	Gly	Asn	Pro	Ser	Ser	Ser	Trp	Pro	Ser	Pro	Thr	Glu
				125					130					135
Pro	Ser	Phe	Lys	Thr	Gly	Ile	Ala	Arg	His	Leu	His	Ala	Val	Ile
				140					145					150
Arg	Tyr	Ser	Val	Ala	Ile	Ile	Leu	Phe	Thr	Ile	Leu	Pro	Phe	Phe
				155					160					165
Leu	Leu	His	Arg	Trp	Cys	Ser	Lys	Lys	Lys	Asn	Ala	Ala	Val	Met
				170					175					180
Asn	Gln	Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser
				185					190					195
Asp	Glu	Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His
				200					205					210
Cys	Ile	Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser
				215					220					225
Lys	Arg	Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn
				230					235					240
Ala	Glu	Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln

245	250	255
Ala Leu Met Gly Ser Ser Arg Glu Thr Thr Ala Leu Ser Gln Thr		
260	265	270
Gln Leu Ala Ser Ser Asn Val Pro Ala Ala Gly Ile		
275	280	

<210> 22  
<211> 265  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7521399CD1

<400> 22

Met Ser Met Ser Pro Thr Val Ile Ile Leu Ala Cys Leu Gly Phe		
1	5	10
Phe Leu Asp Gln Ser Val Trp Ala His Val Gly Gly Gln Asp Lys		
20	25	30
Pro Phe Cys Ser Ala Trp Pro Ser Ala Val Val Pro Gln Gly Gly		
35	40	45
His Val Thr Leu Arg Cys His Tyr Arg Arg Gly Phe Asn Ile Phe		
50	55	60
Thr Leu Tyr Lys Lys Asp Gly Val Pro Val Pro Glu Leu Tyr Asn		
65	70	75
Arg Ile Phe Trp Asn Ser Phe Leu Ile Ser Pro Val Thr Pro Ala		
80	85	90
His Ala Gly Thr Tyr Arg Cys Arg Gly Phe His Pro His Ser Pro		
95	100	105
Thr Glu Trp Ser Ala Pro Ser Asn Pro Leu Val Ile Met Val Thr		
110	115	120
Gly Leu Tyr Glu Lys Pro Ser Leu Thr Ala Arg Pro Gly Pro Thr		
125	130	135
Val Arg Ala Gly Glu Asn Val Thr Leu Ser Cys Ser Ser Gln Ser		
140	145	150
Ser Phe Asp Ile Tyr His Leu Ser Arg Glu Gly Glu Ala His Glu		
155	160	165
Leu Arg Leu Pro Ala Val Pro Ser Ile Asn Gly Thr Phe Gln Ala		
170	175	180
Asp Phe Pro Leu Gly Pro Ala Thr His Gly Glu Thr Tyr Arg Cys		
185	190	195
Phe Gly Ser Phe His Gly Ser Pro Tyr Glu Trp Ser Asp Pro Ser		
200	205	210
Asp Pro Leu Pro Val Ser Val Thr Gly Asn Pro Ser Ser Ser Trp		
215	220	225
Pro Ser Pro Thr Glu Pro Ser Phe Lys Thr Gly Ile Ala Arg His		
230	235	240
Leu His Ala Val Ile Arg Cys Cys Cys Asn Glu Pro Arg Ala Cys		
245	250	255
Gly Thr Gln Asn Ser Glu Gln Gly Gly Leu		
260	265	

<210> 23  
<211> 565  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520356CD1

<400> 23

Met Val Ala Pro Lys Ser His Thr Asp Asp Trp Ala Pro Gly Pro  
 1 5 10 15  
 Phe Ser Ser Lys Pro Gln Arg Ser Gln Leu Gln Ile Phe Ser Ser  
 20 25 30  
 Val Leu Gln Thr Ser Leu Leu Phe Leu Leu Met Gly Leu Arg Ala  
 35 40 45  
 Ser Gly Lys Asp Ser Ala Pro Thr Val Val Ser Gly Ile Leu Gly  
 50 55 60  
 Gly Ser Val Thr Leu Pro Leu Asn Ile Ser Val Asp Thr Glu Ile  
 65 70 75  
 Glu Asn Val Ile Trp Ile Gly Pro Lys Asn Ala Leu Ala Phe Ala  
 80 85 90  
 Arg Pro Lys Glu Asn Val Thr Ile Met Val Lys Ser Tyr Leu Gly  
 95 100 105  
 Arg Leu Asp Ile Thr Lys Trp Ser Tyr Ser Leu Cys Ile Ser Asn  
 110 115 120  
 Leu Thr Leu Asn Asp Ala Gly Ser Tyr Lys Ala Gln Ile Asn Gln  
 125 130 135  
 Arg Asn Phe Glu Val Thr Thr Glu Glu Glu Phe Thr Leu Phe Val  
 140 145 150  
 Tyr Glu Gln Leu Gln Glu Pro Gln Val Thr Met Lys Ser Val Lys  
 155 160 165  
 Val Ser Glu Asn Phe Ser Cys Asn Ile Thr Leu Met Cys Ser Val  
 170 175 180  
 Lys Gly Ala Glu Lys Ser Val Leu Tyr Ser Trp Thr Pro Arg Glu  
 185 190 195  
 Pro His Ala Ser Glu Ser Asn Gly Gly Ser Ile Leu Thr Val Ser  
 200 205 210  
 Arg Thr Pro Cys Asp Pro Asp Leu Pro Tyr Ile Cys Thr Ala Gln  
 215 220 225  
 Asn Pro Val Ser Gln Arg Ser Ser Leu Pro Val His Val Gly Gln  
 230 235 240  
 Phe Cys Thr Asp Pro Gly Ala Ser Arg Gly Gly Thr Thr Gly Glu  
 245 250 255  
 Thr Val Val Gly Val Leu Gly Glu Pro Val Thr Leu Pro Leu Ala  
 260 265 270  
 Leu Pro Ala Cys Arg Asp Thr Glu Lys Val Val Trp Leu Phe Asn  
 275 280 285  
 Thr Ser Ile Ile Ser Lys Glu Arg Glu Glu Ala Ala Thr Ala Asp  
 290 295 300  
 Pro Leu Ile Lys Ser Arg Asp Pro Tyr Lys Asn Arg Val Trp Val  
 305 310 315  
 Ser Ser Gln Asp Cys Ser Leu Lys Ile Ser Gln Leu Lys Ile Glu  
 320 325 330  
 Asp Ala Gly Pro Tyr His Ala Tyr Val Cys Ser Glu Ala Ser Ser  
 335 340 345  
 Val Thr Ser Met Thr His Val Thr Leu Leu Ile Tyr Arg Pro Glu  
 350 355 360  
 Arg Asn Thr Lys Leu Trp Ile Gly Leu Phe Leu Met Val Cys Leu  
 365 370 375  
 Leu Cys Val Gly Ile Phe Ser Trp Cys Ile Trp Lys Arg Lys Gly  
 380 385 390  
 Arg Cys Ser Val Pro Ala Phe Cys Ser Ser Gln Ala Glu Ala Pro  
 395 400 405  
 Ala Asp Thr Pro Glu Pro Thr Ala Gly His Thr Leu Tyr Ser Val  
 410 415 420  
 Leu Ser Gln Gly Tyr Glu Lys Leu Asp Thr Pro Leu Arg Pro Ala  
 425 430 435  
 Arg Gln Gln Pro Thr Pro Thr Ser Asp Ser Ser Ser Asp Ser Asn  
 440 445 450  
 Leu Thr Thr Glu Glu Asp Glu Asp Arg Pro Glu Val His Lys Pro  
 455 460 465  
 Ile Ser Gly Arg Tyr Glu Val Phe Asp Gln Val Thr Gln Glu Gly

	470	475	480
Ala Gly His Asp	Pro Ala Pro Glu Gly	Gln Ala Asp Tyr Asp	Pro
485	490	495	
Val Thr Pro Tyr	Val Thr Glu Ala Glu	Ser Val Val Gly Glu Asn	
500	505	510	
Thr Met Tyr Ala	Gln Val Phe Asn Leu	Gln Gly Arg Thr Pro Val	
515	520	525	
Pro Gln Lys Glu	Glu Ser Ser Ala Thr	Ile Tyr Cys Ser Ile Arg	
530	535	540	
Lys Pro Gln Val	Val Pro Pro Pro Gln	Gln Asn Asp Leu Gly Ile	
545	550	555	
Pro Glu Ser Pro	Thr Tyr Glu Asn Phe	Thr	
560	565		

&lt;210&gt; 24

&lt;211&gt; 205

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520783CD1

&lt;400&gt; 24

Met Trp Leu Leu Val	Ser Val Ile Leu	Ile Ser Arg Ile Ser Ser	
1	5	10	15
Val Gly Gly Glu Gly	Leu Cys Phe Phe	Pro Phe Val Glu Asn Gly	
20	25	30	
His Ser Glu Ser Ser	Gly Gln Thr His	Leu Glu Gly Asp Thr Val	
35	40	45	
Gln Ile Ile Cys Asn	Thr Gly Tyr Arg	Leu Gln Asn Asn Glu Asn	
50	55	60	
Asn Ile Ser Cys Val	Glu Arg Gly Trp	Ser Thr Pro Pro Lys Cys	
65	70	75	
Arg Ser Thr Ile Ser	Ala Glu Lys Cys	Gly Pro Pro Pro Pro Ile	
80	85	90	
Asp Asn Gly Asp	Ile Thr Ser Phe Leu	Leu Ser Val Tyr Ala Pro	
95	100	105	
Gly Ser Ser Val	Glu Tyr Gln Cys Gln	Asn Leu Tyr Gln Leu Glu	
110	115	120	
Gly Asn Asn Gln	Ile Thr Cys Arg Asn	Gly Gln Trp Ser Glu Pro	
125	130	135	
Pro Lys Cys Leu	Asp Pro Cys Val Ile	Ser Gln Glu Ile Met Glu	
140	145	150	
Lys Tyr Asn Ile	Lys Leu Lys Trp Thr	Asn Gln Gln Lys Leu Tyr	
155	160	165	
Ser Arg Thr Gly	Asp Ile Val Glu Phe Val	Cys Lys Ser Gly Tyr	
170	175	180	
His Pro Thr Lys	Ser His Ser Phe Arg	Ala Met Cys Gln Asn Gly	
185	190	195	
Lys Leu Val Tyr	Pro Ser Cys Glu Glu	Lys	
200	205		

&lt;210&gt; 25

&lt;211&gt; 325

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7520788CD1

&lt;400&gt; 25

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1									10					15
.Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Gly	Gln	Asp	Lys
									25					30
Pro	Phe	Cys	Ser	Ala	Trp	Pro	Ser	Ala	Val	Val	Pro	Gln	Gly	Gly
									40					45
His	Val	Thr	Leu	Arg	Cys	His	Tyr	Arg	Arg	Gly	Phe	Asn	Ile	Phe
									55					60
Thr	Leu	Tyr	Lys	Lys	Asp	Gly	Val	Pro	Val	Pro	Glu	Leu	Tyr	Asn
									70					75
Arg	Ile	Phe	Trp	Asn	Ser	Phe	Leu	Ile	Ser	Pro	Val	Thr	Pro	Ala
									85					90
His	Ala	Gly	Thr	Tyr	Arg	Cys	Arg	Gly	Phe	His	Pro	His	Ser	Pro
									100					105
Thr	Glu	Trp	Ser	Ala	Pro	Ser	Asn	Pro	Leu	Val	Ile	Met	Val	Thr
									115					120
Gly	Leu	Tyr	Glu	Lys	Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr
									130					135
Val	Arg	Ala	Gly	Glu	Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser
									145					150
Ser	Phe	Asp	Ile	Tyr	His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu
									160					165
Leu	Arg	Leu	Pro	Ala	Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala
									175					180
Asp	Phe	Pro	Leu	Gly	Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys
									190					195
Phe	Gly	Ser	Phe	His	Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser
									205					210
Asp	Pro	Leu	Pro	Val	Ser	Val	Thr	Asp	Ala	Ala	Val	Met	Asn	Gln
									215					225
Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser	Asp	Glu
									230					240
Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His	Cys	Ile
									245					255
Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser	Lys	Arg
									260					270
Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn	Ala	Glu
									275					285
Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln	Ala	Leu
									290					300
Met	Gly	Ser	Ser	Arg	Glu	Thr	Thr	Ala	Leu	Ser	Gln	Thr	Gln	Leu
									305					315
Ala	Ser	Ser	Asn	Val	Pro	Ala	Ala	Gly	Ile					
									320					325

<210> 26  
<211> 165  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520790CD1

<400> 26  
Met Thr Ser Glu Ile Thr Tyr Ala Glu Val Arg Phe Lys Asn Glu  
1 5 10 15  
Phe Lys Ser Ser Gly Ile Asn Thr Ala Ser Ser Ala Glu Thr Ala  
20 25 30  
Trp Ser Cys Cys Pro Lys Asn Trp Lys Ser Phe Ser Ser Asn Cys  
35 40 45  
Tyr Phe Ile Ser Thr Glu Ser Ala Ser Trp Gln Asp Ser Glu Lys  
50 55 60

Asp	Cys	Ala	Arg	Met	Glu	Ala	His	Leu	Leu	Val	Ile	Asn	Thr	Gln
				65						70				75
Glu	Glu	Gln	Asp	Phe	Ile	Phe	Gln	Asn	Leu	Gln	Glu	Glu	Ser	Ala
				80						85				90
Tyr	Phe	Val	Gly	Leu	Ser	Asp	Pro	Glu	Gly	Gln	Arg	His	Trp	Gln
				95					100					105
Trp	Val	Asp	Gln	Thr	Pro	Tyr	Asn	Glu	Ser	Ser	Thr	Phe	Trp	His
				110					115					120
Pro	Arg	Glu	Pro	Ser	Asp	Pro	Asn	Glu	Arg	Cys	Val	Val	Leu	Asn
				125					130					135
Phe	Arg	Lys	Ser	Pro	Lys	Arg	Trp	Gly	Trp	Asn	Asp	Val	Asn	Cys
				140					145					150
Leu	Gly	Pro	Gln	Arg	Ser	Val	Cys	Glu	Met	Met	Lys	Ile	His	Leu
				155					160					165

<210> 27  
<211> 216  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7521242CD1

<400> 27  
Met Trp Leu Leu Val Ser Val Ile Leu Ile Ser Arg Ile Ser Ser  
1 5 10 15  
Val Gly Gly Glu Glu Gly Trp Ser Pro Thr Pro Lys Cys Leu  
20 25 30  
Arg Leu Cys Phe Phe Pro Phe Val Glu Asn Gly His Ser Glu Ser  
35 40 45  
Ser Gly Gln Thr His Leu Glu Gly Asp Thr Val Gln Ile Ile Cys  
50 55 60  
Asn Thr Gly Tyr Arg Leu Gln Asn Asn Glu Asn Asn Ile Ser Cys  
65 70 75  
Val Glu Arg Gly Trp Ser Thr Pro Pro Lys Cys Arg Ser Thr Ile  
80 85 90  
Ser Ala Glu Lys Cys Gly Pro Pro Pro Ile Asp Asn Gly Asp  
95 100 105  
Ile Thr Ser Phe Leu Leu Ser Val Tyr Ala Pro Gly Ser Ser Val  
110 115 120  
Glu Tyr Gln Cys Gln Asn Leu Tyr Gln Leu Glu Gly Asn Asn Gln  
125 130 135  
Ile Thr Cys Arg Asn Gly Gln Trp Ser Glu Pro Pro Lys Cys Leu  
140 145 150  
Asp Pro Cys Val Ile Pro Gln Glu Ile Met Glu Lys Tyr Asn Ile  
155 160 165  
Lys Leu Lys Trp Thr Asn Gln Gln Lys Leu Tyr Ser Arg Thr Gly  
170 175 180  
Asp Ile Val Glu Phe Val Cys Lys Ser Gly Tyr His Pro Thr Lys  
185 190 195  
Ser His Ser Phe Arg Ala Met Cys Gln Asn Gly Lys Leu Val Tyr  
200 205 210  
Pro Ser Cys Glu Glu Lys  
215

<210> 28  
<211> 228  
<212> PRT  
<213> Homo sapiens

<220>

<221> misc\_feature  
 <223> Incyte ID No: 7522901CD1

&lt;400&gt; 28

Met	Gly	Arg	Pro	Leu	Leu	Leu	Pro	Leu	Leu	Leu	Leu	Pro		
1				5				10				15		
Pro	Ala	Phe	Leu	Gln	Pro	Ser	Gly	Ser	Thr	Gly	Ser	Gly	Pro	Ser
					20				25				30	
Tyr	Leu	Tyr	Gly	Val	Thr	Gln	Pro	Lys	His	Leu	Ser	Ala	Ser	Met
					35				40				45	
Gly	Gly	Ser	Val	Glu	Ile	Pro	Phe	Ser	Phe	Tyr	Tyr	Pro	Trp	Glu
				50					55				60	
Leu	Ala	Thr	Ala	Pro	Asp	Val	Arg	Ile	Ser	Trp	Arg	Arg	Gly	His
					65				70				75	
Phe	His	Gly	Gln	Ser	Phe	Tyr	Ser	Thr	Arg	Pro	Pro	Ser	Ile	His
					80				85				90	
Lys	Asp	Tyr	Val	Asn	Arg	Leu	Phe	Leu	Asn	Trp	Thr	Glu	Gly	Gln
					95				100				105	
Lys	Ser	Gly	Phe	Leu	Arg	Ile	Ser	Asn	Leu	Gln	Lys	Gln	Asp	Gln
					110				115				120	
Ser	Val	Tyr	Phe	Cys	Arg	Val	Glu	Leu	Asp	Thr	Arg	Ser	Ser	Gly
					125				130				135	
Arg	Gln	Gln	Trp	Gln	Ser	Ile	Glu	Gly	Thr	Lys	Leu	Ser	Ile	Thr
					140				145				150	
Gln	Gly	Gln	Gln	Arg	Thr	Lys	Ala	Thr	Thr	Pro	Ala	Arg	Glu	Pro
					155				160				165	
Phe	Gln	Asn	Thr	Glu	Glu	Pro	Tyr	Glu	Asn	Ile	Arg	Asn	Glu	Gly
					170				175				180	
Glu	Ser	Leu	Pro	Pro	Ser	Phe	Pro	Ser	Phe	Tyr	Pro	Trp	His	Phe
					185				190				195	
Leu	Phe	Pro	Gln	Ile	Pro	Pro	Thr	Trp	Val	Arg	Ala	Pro	Val	Ser
					200				205				210	
Ile	Phe	Phe	Phe	Pro	Phe	Leu	Ala	Pro	Cys	Pro	His	Val	Thr	Leu
					215				220				225	

Ala Leu Thr

<210> 29  
 <211> 144  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7515599CD1

&lt;400&gt; 29

Met	Leu	Leu	Leu	Phe	Leu	Leu	Phe	Glu	Leu	Cys	Cys	Pro	Gly	
1					5				10				15	
Glu	Asn	Thr	Ala	Val	Lys	Pro	Glu	Ala	Trp	Leu	Ser	Cys	Gly	Pro
					20				25				30	
Ser	Pro	Gly	Pro	Gly	Arg	Leu	Gln	Leu	Val	Cys	His	Val	Ser	Gly
					35				40				45	
Phe	Tyr	Pro	Lys	Pro	Val	Trp	Val	Met	Trp	Met	Arg	Gly	Glu	Gln
					50				55				60	
Glu	Gln	Arg	Gly	Thr	Gln	Arg	Gly	Asp	Val	Leu	Pro	Asn	Ala	Asp
					65				70				75	
Glu	Thr	Trp	Tyr	Leu	Arg	Ala	Thr	Leu	Asp	Val	Ala	Ala	Gly	Glu
					80				85				90	
Ala	Ala	Gly	Leu	Ser	Cys	Arg	Val	Lys	His	Ser	Ser	Leu	Gly	Gly
					95				100				105	
His	Asp	Leu	Ile	Ile	His	Trp	Ala	Leu	Ser	Phe	Ser	Trp	Glu	Pro
					110				115				120	

Thr Leu Arg Thr Pro Arg Ile Gln Asp Ile Ser Ser Ala Trp His  
 125 130 135  
 Lys Tyr Arg Gly Ser Lys Thr Glu Tyr  
 140

<210> 30  
 <211> 225  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520320CD1

<400> 30  
 Met Pro Ala Ser Ser Pro Phe Leu Pro Ala Pro Lys Gly Pro Pro  
 1 5 10 15  
 Gly Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala  
 20 25 30  
 Leu Trp Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala  
 35 40 45  
 Met Ala Leu Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg  
 50 55 60  
 Glu Ser Ser Asp Ala Leu Glu Ala Trp Glu Ser Gly Glu Arg Ser  
 65 70 75  
 Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys Lys Gln His  
 80 85 90  
 Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys Asp Asp  
 95 100 105  
 Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg Gly  
 110 115 120  
 Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala  
 125 130 135  
 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr  
 140 145 150  
 Phe Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln  
 155 160 165  
 Glu Thr Leu Phe Arg Cys Ile Arg Ser Thr Pro Ser His Pro Asp  
 170 175 180  
 Arg Ala Tyr Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His  
 185 190 195  
 Gln Gly Asp Ile Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys  
 200 205 210  
 Leu Asn Leu Ser Pro His Gly Thr Phe Leu Gly Phe Val Lys Leu  
 215 220 225

<210> 31  
 <211> 166  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520323CD1

<400> 31  
 Met Val Arg Leu Pro Leu Gln Cys Val Leu Trp Gly Cys Leu Leu  
 1 5 10 15  
 Thr Ala Val His Pro Glu Pro Pro Thr Ala Cys Arg Glu Lys Gln  
 20 25 30  
 Tyr Leu Ile Asn Ser Gln Cys Cys Ser Leu Cys Gln Pro Gly Gln  
 35 40 45

Lys Leu Val Ser Asp Cys Thr Glu Phe Thr Glu Thr Glu Cys Leu  
       50                     55                     60  
 Pro Cys Gly Glu Ser Glu Phe Leu Asp Thr Trp Asn Arg Glu Thr  
       65                     70                     75  
 His Cys His Gln His Lys Tyr Cys Asp Pro Asn Leu Gly Leu Arg  
       80                     85                     90  
 Val Gln Gln Lys Gly Thr Ser Glu Thr Asp Thr Ile Cys Thr Cys  
       95                     100                    105  
 Glu Glu Gly Trp His Cys Thr Ser Glu Ala Cys Glu Ser Cys Val  
       110                    115                    120  
 Leu His Arg Ser Cys Ser Pro Gly Phe Gly Val Lys Gln Ile Ala  
       125                    130                    135  
 Val Arg Pro Lys Thr Trp Leu Cys Asn Arg Gln Ala Gln Thr Arg  
       140                    145                    150  
 Leu Met Leu Ser Val Val Ser Pro Gly Gln Trp Ala Leu Glu Lys  
       155                    160                    165

Ala

<210> 32  
<211> 181  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520324CD1

<400> 32  
 Met Ala Gly Pro Pro Arg Leu Leu Leu Pro Leu Leu Leu Ala  
       1                     5                     10                    15  
 Leu Ala Arg Gly Leu Pro Gly Ala Leu Ala Ala Gln Gly Arg Thr  
       20                    25                    30  
 Phe Ser Val Leu Leu Ala Arg Leu Met Val Thr Ala Gln Val Leu  
       35                    40                    45  
 Pro Arg Gly Ala Ala Val Ser Pro Leu His Asp Cys Pro Arg Gly  
       50                    55                    60  
 Ser Leu Arg Gln His His Leu Leu His Gln Arg Gly Pro Ala Trp  
       65                    70                    75  
 Asp Leu Pro Glu Ala Ala Arg Ala Thr Ala Pro Arg His His Leu  
       80                    85                    90  
 Leu Arg Gly Arg Gly Gly Ala His Tyr Gly Gln Thr Val Pro Gly  
       95                    100                   105  
 Pro His Arg Leu Leu Arg Val Pro Gly Gln Pro Asp Tyr His His  
       110                   115                   120  
 Ala Pro Pro Ala Ala Val Gly His Trp His Leu His Leu Pro Gly  
       125                   130                   135  
 His His Gly Gly Gln Cys Leu Arg Leu Arg His Pro Gly Pro Gly  
       140                   145                   150  
 Asp Arg Gly Thr Val Pro Arg Met Ala Gln Met Leu Gly Arg Pro  
       155                   160                   165  
 Thr Lys Gly Leu Cys Pro Pro Cys Pro Thr Asp Arg Leu Arg Pro  
       170                   175                   180

Pro

<210> 33  
<211> 412  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature

&lt;223&gt; Incyte ID No: 7521033CD1

&lt;400&gt; 33

Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro
1			5						10				15	
Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val
					20				25				30	
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly
	35							40					45	
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr
		50						55					60	
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys
	65							70					75	
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser
		80						85					90	
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val
		95						100					105	
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu
		110						115					120	
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Ala
		125						130					135	
His	Gly	Ala	Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala
		140						145					150	
Ser	Cys	His	Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg
		155						160					165	
Lys	Cys	Ser	Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro
		170						175					180	
Cys	Pro	Gly	Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro
		185						190					195	
Pro	Cys	Pro	Val	Ala	Gly	Gly	Trp	Gly	Pro	Trp	Gly	Pro	Val	Ser
		200						205					210	
Pro	Cys	Pro	Val	Thr	Cys	Gly	Leu	Gly	Gln	Thr	Met	Glu	Gln	Arg
		215						220					225	
Thr	Cys	Asn	His	Pro	Val	Pro	Gln	His	Gly	Gly	Pro	Phe	Cys	Ala
		230						235					240	
Gly	Asp	Ala	Thr	Arg	Thr	His	Ile	Cys	Asn	Thr	Ala	Val	Pro	Cys
		245						250					255	
Pro	Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser	Pro	Cys
		260						265					270	
Ile	Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile	Pro	Gly
		275						280					285	
Gln	Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe	Asp	Gly
		290						295					300	
His	Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys	Tyr	Ser
		305						310					315	
Ile	Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp	Ser	Thr
		320						325					330	
Trp	Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr	Arg	Ala
		335						340					345	
Arg	Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro	Pro	Thr
		350						355					360	
Val	Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr	Phe	Trp
		365						370					375	
Gly	Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln	Lys	Leu
		380						385					390	
Val	Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala	Cys	Lys
		395						400					405	
Asp	Pro	Glu	Glu	Glu	Glu	Glu	Leu							
		410												

&lt;210&gt; 34

&lt;211&gt; 354

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7521107CD1

&lt;400&gt; 34

Met	Ile	Thr	Glu	Gly	Ala	Gln	Ala	Pro	Arg	Leu	Leu	Leu	Pro	Pro
1			5					10					15	
Leu	Leu	Leu	Leu	Leu	Thr	Leu	Pro	Ala	Thr	Gly	Ser	Asp	Pro	Val
					20				25				30	
Leu	Cys	Phe	Thr	Gln	Tyr	Glu	Glu	Ser	Ser	Gly	Lys	Cys	Lys	Gly
	35							40				45		
Leu	Leu	Gly	Gly	Gly	Val	Ser	Val	Glu	Asp	Cys	Cys	Leu	Asn	Thr
		50						55				60		
Ala	Phe	Ala	Tyr	Gln	Lys	Arg	Ser	Gly	Gly	Leu	Cys	Gln	Pro	Cys
	65							70				75		
Arg	Ser	Pro	Arg	Trp	Ser	Leu	Trp	Ser	Thr	Trp	Ala	Pro	Cys	Ser
	80							85				90		
Val	Thr	Cys	Ser	Glu	Gly	Ser	Gln	Leu	Arg	Tyr	Arg	Arg	Cys	Val
		95						100				105		
Gly	Trp	Asn	Gly	Gln	Cys	Ser	Gly	Lys	Val	Ala	Pro	Gly	Thr	Leu
		110						115				120		
Glu	Trp	Gln	Leu	Gln	Ala	Cys	Glu	Asp	Gln	Gln	Cys	Cys	Pro	Ala
		125						130				135		
His	Gly	Ala	Trp	Ala	Thr	Trp	Gly	Pro	Trp	Thr	Pro	Cys	Ser	Ala
		140						145				150		
Ser	Cys	His	Gly	Gly	Pro	His	Glu	Pro	Lys	Glu	Thr	Arg	Ser	Arg
		155						160				165		
Lys	Cys	Ser	Ala	Pro	Glu	Pro	Ser	Gln	Lys	Pro	Pro	Gly	Lys	Pro
		170						175				180		
Cys	Pro	Gly	Leu	Ala	Tyr	Glu	Gln	Arg	Arg	Cys	Thr	Gly	Leu	Pro
		185						190				195		
Pro	Cys	Pro	Val	Asp	Gly	Glu	Trp	Asp	Ser	Trp	Gly	Glu	Trp	Ser
		200						205				210		
Pro	Cys	Ile	Arg	Arg	Asn	Met	Lys	Ser	Ile	Ser	Cys	Gln	Glu	Ile
		215						220				225		
Pro	Gly	Gln	Gln	Ser	Arg	Gly	Arg	Thr	Cys	Arg	Gly	Arg	Lys	Phe
		230						235				240		
Asp	Gly	His	Arg	Cys	Ala	Gly	Gln	Gln	Gln	Asp	Ile	Arg	His	Cys
		245						250				255		
Tyr	Ser	Ile	Gln	His	Cys	Pro	Leu	Lys	Gly	Ser	Trp	Ser	Glu	Trp
		260						265				270		
Ser	Thr	Trp	Gly	Leu	Cys	Met	Pro	Pro	Cys	Gly	Pro	Asn	Pro	Thr
		275						280				285		
Arg	Ala	Arg	Gln	Arg	Leu	Cys	Thr	Pro	Leu	Leu	Pro	Lys	Tyr	Pro
		290						295				300		
Pro	Thr	Val	Ser	Met	Val	Glu	Gly	Gln	Gly	Glu	Lys	Asn	Val	Thr
		305						310				315		
Phe	Trp	Gly	Arg	Pro	Leu	Pro	Arg	Cys	Glu	Glu	Leu	Gln	Gly	Gln
		320						325				330		
Lys	Leu	Val	Val	Glu	Glu	Lys	Arg	Pro	Cys	Leu	His	Val	Pro	Ala
		335						340				345		
Cys	Lys	Asp	Pro	Glu	Glu	Glu	Glu	Leu						
		350												

&lt;210&gt; 35

&lt;211&gt; 265

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

<223> Incyte ID No: 7521220CD1

<400> 35

Met	Ser	Met	Ser	Pro	Thr	Val	Ile	Ile	Leu	Ala	Cys	Leu	Gly	Phe
1				5				10						15
Phe	Leu	Asp	Gln	Ser	Val	Trp	Ala	His	Val	Gly	Leu	Tyr	Glu	Lys
				20					25					30
Pro	Ser	Leu	Thr	Ala	Arg	Pro	Gly	Pro	Thr	Val	Arg	Ala	Gly	Glu
				35					40					45
Asn	Val	Thr	Leu	Ser	Cys	Ser	Ser	Gln	Ser	Ser	Phe	Asp	Ile	Tyr
				50					55					60
His	Leu	Ser	Arg	Glu	Gly	Glu	Ala	His	Glu	Leu	Arg	Leu	Pro	Ala
				65					70					75
Val	Pro	Ser	Ile	Asn	Gly	Thr	Phe	Gln	Ala	Asp	Phe	Pro	Leu	Gly
				80					85					90
Pro	Ala	Thr	His	Gly	Glu	Thr	Tyr	Arg	Cys	Phe	Gly	Ser	Phe	His
				95					100					105
Gly	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser	Asp	Pro	Leu	Pro	Val
				110					115					120
Ser	Val	Thr	Gly	Ile	Ala	Arg	His	Leu	His	Ala	Val	Ile	Arg	Tyr
				125					130					135
Ser	Val	Ala	Ile	Ile	Leu	Phe	Thr	Ile	Leu	Pro	Phe	Phe	Leu	Leu
				140					145					150
His	Arg	Trp	Cys	Ser	Lys	Lys	Lys	Asn	Ala	Ala	Val	Met	Asn	Gln
				155					160					165
Glu	Pro	Ala	Gly	His	Arg	Thr	Val	Asn	Arg	Glu	Asp	Ser	Asp	Glu
				170					175					180
Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Ala	Gln	Leu	Asp	His	Cys	Ile
				185					190					195
Phe	Thr	Gln	Arg	Lys	Ile	Thr	Gly	Pro	Ser	Gln	Arg	Ser	Lys	Arg
				200					205					210
Pro	Ser	Thr	Asp	Thr	Ser	Val	Cys	Ile	Glu	Leu	Pro	Asn	Ala	Glu
				215					220					225
Pro	Arg	Ala	Leu	Ser	Pro	Ala	His	Glu	His	His	Ser	Gln	Ala	Leu
				230					235					240
Met	Gly	Ser	Ser	Arg	Glu	Thr	Thr	Ala	Leu	Ser	Gln	Thr	Gln	Leu
				245					250					255
Ala	Ser	Ser	Asn	Val	Pro	Ala	Ala	Gly	Ile					
				260					265					

<210> 36

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7519269CB1

<400> 36

tgccaggggcg	cacaacggcc	gtgtccacct	ccccggccca	agatgggtct	tcccacaggc	60
agccacgcgt	agcagccaga	gacagctcca	gacatgtggc	tcttcttcgg	gatcaactgga	120
ttgctgacgg	cagccctctc	aggacttgaa	gagttgcata	cctcccacat	cccaactgcc	180
aaccctggac	actgcattac	agaccggcca	tccctgggcc	ctcagtatca	cccgaggagc	240
aacagtgagt	cgagcacccctc	ttcgggggag	gattactgca	atagtcccaa	aagcaagctg	300
cctccatgga	accccccagg	gtttttctca	gagggaggtt	ccttccttgg	gcagccccca	360
aacttggagc	tggccggcac	ccagccagcc	ttttcaggg	cccccagccc	tcagccctgac	420
tccaccgaca	acgatgacta	cgatgacatc	agcgcagcct	agggcggggc	cagccgaggc	480
tcctggggtg	gctctgacc	tctggctcc	tgctctacat	actcccttcc	cccttttcca	540
ccctccca	tcacccctcc	atggagctga	gaggcctccc	ttggagagat	ggaaggaaac	600
gttatacctt	gtacccctcg	gtctccatcc	atcaagccaa	acctgctgcc	acagccctcc	660
cccgccccc	gatagcagcc	ccagggagga	tgctgcctcc	aagaggtgt	agccctctgt	720
ctcggggatg	aacaaggcaga	gtctgggcta	cctcttgaca	gctgggtggag	ga	772

<210> 37  
<211> 1108  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7519418CB1

<400> 37

tgccaggcg	cacaacggcc	gtgtccacct	cccggccca	agatggtgc	tcccacaggc	60
agccacgcgt	agcagccaga	gacagctcca	gacatgtggc	tcttcttcgg	gatcaactgga	120
ttgctgacgg	cagccccctc	agaatcttct	gtgacagtga	aaatagagaa	caaggaatct	180
cgggagctaa	tgctcctcat	cccttccatc	gttctggaa	ttctcctcct	tggctccctc	240
atcttcata	ccttcatcct	cttgagaatt	aaagggaaaat	atgttttcat	gctgcccattc	300
caggtccagg	ccccgcccc	tgaggactca	gactctggct	cggaactcaga	ctatgagcac	360
tatgacttca	gcccggcagcc	tcctgtggcc	ctgaccacct	tctacaattc	ccagcggcat	420
cgggtcacag	atgaggaggt	ccagcaaagc	aggttccaga	tgccaccctt	ggaggaagga	480
cttgaagagt	tgcatgcctc	ccacatccca	actgccaacc	ctggacactg	cattacagac	540
ccgccatccc	tggggcctca	gtatcacccg	aggagcaaca	gtgagtcgag	caccccttcg	600
ggggaggatt	actgcaatag	tcccaaaagc	aagctgcctc	catggAACCC	ccaggtgttt	660
tcttcagaga	ggagttcctt	cctggagcag	cccccaaact	tggagctggc	tggcacccag	720
ccagccttt	cagggcccc	cagccctcag	cctgactcca	ccgacaacga	tgactacgat	780
gacatcagcg	cagccttaggc	cggggccagc	cgaggtctct	gggggtggctc	tgaccctctg	840
gcctcctgt	ctacctactc	cccttccccc	ttcccaccc	cccagctcac	ctccccatgg	900
agctgagagg	cctcccttgg	agagatggaa	ggaaacgtta	taccttgtac	ccctcggtct	960
ccatccatca	agccaaacact	gctgccacag	ccctcccc	gccccagata	gcagccccag	1020
ggaggatgt	gcctccaaga	ggtgtgagcc	ctctgtctcg	gggatgaaca	agcagagtct	1080
gggttac	ttgacagctg	gtggagga				1108

<210> 38  
<211> 947  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7519531CB1

<400> 38

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<213> Homo sapiens

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 gggcagttcc ctgtgtctct ggtggttgc ctaaacctgc aaacatcacc ttcttatcca 180  
 tcaacatgaa gaatgtccta caatggactc caccagaggg tcttcaagga gttaaagtt 240  
 cttacactgt gcagtatttc attggtccca gtgtgtgacc aaccacacgc tggtgctcac 300  
 ctggctggag cccgaacactc ttactgcgt acacgtggag tccttcgtcc cagggcccc 360  
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 gagatcctaa 610

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 taagccattt tcccaagttc ctacagggga agtttctat tactcctgtg aatataattt 240  
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 aacaccaaag tgtctcattt ctgcagaaaa atgtggggcc cctccaccta ttgacaatgg 360  
 agacattact tcattcctgt tgtcagtata tgctccaggt tcatcagttt agtaccagt 420  
 ccagaacttg tatcaacttg agggtaacaa tcaaataaca tgttagaaacg gacaatggc 480  
 agaaccacca aaatgcttag atccatgtgt aatatcaca gaaattatgg aaaaatataa 540  
 cataaaaatta aagtggacaa accaacaaaa gctttattca agaacaggtg acatagttga 600  
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<211> 349  
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<213> Homo sapiens

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caccgccccc tggatccgc aggttcccta cacggctcc tgggtcaaga agtttgacg 180  
gctacagagt atcttcccag attttctaa agctggcatg gaacgagctt ttctcccagt 240  
tacctccccca aataaggcatt tagggctagt gactcctcac aagacagaac tggtatgagc 300  
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<210> 43  
<211> 715  
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<213> Homo sapiens

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gtgatctgt gtgttcagct ggcgctgtgc ttccggccctg cacagctcac gggcgattgc 180  
cgatccctc aaatcgaaaa tgctgagatt cataacaaga catatagaca tggagagaag 240  
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gtgctttatt tttgccctgt gttaaagtcc tctcccaccc cagcacctac ctgttccctca 660  
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<210> 44  
<211> 834  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520952CB1

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gatcccttg gatggatctg tgaaaatccca gtgcaggcc attcgtgaag cttaacctgac 180  
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acacgacgca gaacttgatc cgcacggccg tggcaggact ggtcctcggt gctctttgg 660  
ccatactgggt tgaaaattgg cacagccata cggcactgaa caaggaagcc tggcagatg 720  
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<213> Homo sapiens

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agggaaagag gcagaacaag gggaggtgga catggagagc caccggaatg ccaacgcaga 480  
gccagctgtt cagcgtactc ttttagagaa atagaagatt gtcggcagga acagcccagg 540  
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<210> 46  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520129CB1

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cgggcattccc ttcacaaaagg actggatagt gctgtggaaat gctgtgttgt gtatggaaat 240  
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aacatgactc cccgcccccc cgggcccacc cgcaagcattt accagccccca tgccccacca 360  
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<212> DNA  
<213> Homo sapiens

<220>  
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ggagcagggc caccggcccg aggccaccac actgcattgtg gctcccaagg gcacagccat 240  
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cccgccacac agctccagt 619

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<211> 782  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
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aa 782

<210> 49  
<211> 725  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520239CB1

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ccagt 725

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<211> 1148  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
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 attggaa 1148

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 ctcattccat tggcta 376

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 <211> 804  
 <212> DNA  
 <213> Homo sapiens

<220> .  
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 ctgcactgag gagagcagct gccacacgga ggatgacttg actgatgcaa gggaaagctgg 180  
 cttccaggtc aaggccataca ctttcagtga acccctccac ctgattgtgt cctatgactg 240  
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 gcactaccac tgcagtggca tcttccagag ccctggctct gggatcccg aaacagcatc 480  
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 agtcctcag aaatcagctg ctccaggaac tgctccttag gaggccccctg ggctctgccc 600  
 tccggcccca accccatctt ctgaggatcc aggctttct tctcctctgg ggatgccaga 660  
 tcctcatctg tattcaccaga tggcccttc ttc当地acatc atgcaggatg tgagagtct 720  
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<210> 55  
 <211> 936  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> Incyte ID No: 7519298CB1

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gaagacactc aatttggaa gctgtgtat cgccacaaac cttcaggaaa tacgaaatgg 180  
 atttcttag atacggggca gtgtggtacg taagggta tctaccttc ctgaaagcct 240  
 tttcttgc ttccctgtcc gtttcttcc cctggcagta ctggcagtgt aatcataaaa 300  
 agaggcaggc tggggattcc ttacccgggg gatgtattcc aaagaaataa ctgtagttca 360  
 aatatttaaa atgttttggg aaaggacacc tcccactgt tcttggcagg gagtggatga 420  
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 tcttcgttt agcaagccaa agatggaaac attgacatca gaatcttaag gaggactgag 540  
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 cctgtggttt tttgcagcct gcgaaatcgat gtcgcctcct ggcgcatttg ctaagactct 720  
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<210> 56  
<211> 862  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7521374CB1

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ggttcgca ggagagaacg tgaccttgc ctgcagctcc cagagcttctt tgacatcta 180  
ccatctatcc agggaggggg aagccatga acttaggctc cctgcagtgc ccagcatcaa 240  
tggAACATTc caggccgact tccctctggg tcctgccacc cacggagaga cctacagatg 300  
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catccttccc ttctttctcc ttcatcgctg gtgcctcaaa aaaaaaaaaatg ctgctgtaat 540  
gaaccaagag cctgcgggac acagaacagt gaacagggag gactctgtatg aacaagaccc 600  
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cccttctcag aggagcaaga gaccctcaac agataccagc gtgtgtatag aacttccaaa 720  
tgctgagccc agagcgttgtt ctccctgccc tgagcaccac agtcaggcct tgatgggatc 780  
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<210> 57  
<211> 1074  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7521399CB1

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acagtttccct cattagccct gtgaccccgac cacacgcagg gacctacaga tgcgaggtt 300  
ttcacccgca ctcccccaact gagtggtcgg caccagcaa cccctgggt atcatggtca 360  
caggtctata tgagaaacct tcgcttacag cccggccggg ccccacgggtt cgccgcaggag 420  
agaacgtgac cttgtccctgc agctcccaga gtcctttga catctaccat ctatccagg 480  
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ccgacttccc tctgggtcct gccacccacg gagagaccta cagatgttcc ggcttttcc 600  
atggatctcc ctacgagtgg tcagacccga gtgacccact gcctgttct gtcacaggaa 660  
acccttcttag tagtggcct tcacccactg aaccaagctt caaaactggt atgcgcagac 720

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acctgcatgc tggattaga tgctgctgta atgaaccaag agcctgcggg acacagaaca 780
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caactgcattt tcacacagag aaaaatcaact ggcccttctc agaggagcaa gagaccctca 900
acagatacca gcgtgtgtat agaacttcca aatgctgagc ccagagcgtt gtctctgcc 960
catgaggacc acagtccaggc ttgtatggga tcttcttaggg agacaacagc cctgtctcaa 1020
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<210> 58  
<211> 1723  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520356CB1

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ccttaggggt	tccgtactc	ccccctaaa	catctca	gacacagaga	ttgagaacgt	240	
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cagcaatctg	actctgaatg	atgcaggatc	ctacaaagcc	cagataaaacc	aaaggaattt	420	
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<210> 59  
<211> 687  
<212> DNA  
<213> *Homo sapiens*

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520783CB1

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aggactgtgt ttcttcctt ttgtggaaaa tggtcattct gaatcttcag gacaaacaca 180
tctggaaaggt gatactgtac aaattatttg caacacagga tacagacttc aaaacaatga 240
gaacaacatt tcattgttag aacggggctg gtccactcct cccaaatgca ggtccactat 300
ttctgcagaa aaatgtgggc cccctccacc tattgacaat cgagacattt cttcattcct 360
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gttgtcagta tatgctccag gttcatcagt tgagtaccag tgccagaact tggatcaact 420  
 tgagggtAAC aatcaaataa catgttagaaa cggacaatgg tcagaaccac caaaatgctt 480  
 agatccatgt gtaatatcac aagaattat ggaaaaat aacataaaat taaagtggac 540  
 aaaccaacaa aagctttatt caagaacagg tgacatagtt gaatttggtt gtaaatctgg 600  
 atatcatcca acaaaatctc attcatttcg agcaatgtgt cagaatggga aactggata 660  
 tcccggtt gaggaaaaat agaatca 687

<210> 60  
 <211> 992  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520788CB1

<400> 60  
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 tgggcctca aggaggacac gtgactcttc ggtgtcaact tcgtcggtt tttaacatct 180  
 tcacgctgtca caagaaagat ggggtccctg tccctgagct ctacaacaga atattctgg 240  
 acagtttcctt cattagccct gtgacccacg cacacgcagg gacctacaga tgcgagggtt 300  
 ttcaacccgca ctccccactt ggtggcggg caccacgaa cccctgtgtt atcatggtca 360  
 caggtctata tgagaaacct tcgcttacag cccggccggg ccccacgggtt cgccgcaggag 420  
 agaacgtgac cttgtcctgc agctcccaga gtcctttga catctaccat ctatccagg 480  
 agggggaaac ccattgaactt aggctccctg cagtgcccacg catcaatggaa acattccagg 540  
 ccgacttccc tctgggtctt gccacccacg gagagaccta cagatgtttc ggctctttcc 600  
 atggatctcc ctacgagtgg tcagacccga gtgacccact gcctgtttct gtcacagatg 660  
 ctgctgtat gaaccaagag ctcggggac acagaacagt gaacaggag gactctgtatg 720  
 aacaagaccc tcaggagggt acatacgcac agttggatca ctgcattttc acacagagaa 780  
 aaatcactgg cccttctcagg aggagcaaga gaccctcaac agataccagg gtgtgtatag 840  
 aacttccaaa tgctgagccc agagcgttgc tcctgccc tgagcaccac agtcaggcct 900  
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<210> 61  
 <211> 524  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7520790CB1

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 gaaggactgt gctagaatgg aggctcacct gctgggtata aacactcaag aagagcagga 240  
 tttcatcttc cagaatctgc aagaagaatc tgcttatttt gtggggctct cagatccaga 300  
 aggtcagcga cattggcaat ggggtgatca gacaccatac aatgaaatgtt ccacattctg 360  
 gcatccacgt gagcccacgt atcccaatga ggcgtcggtt gtgctaaattt ttctgttata 420  
 accaaaaaga tggggctgga atgatgtttaa ttgtcttggt cctcaaaggt cagttgtga 480  
 gatgatgaag atccacttat gaactaatca cgaattctgg atcc 524

<210> 62  
 <211> 720  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7521242CB1

<400> 62  
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agaagaagga tggtcaccaa caccaaagtg tctcagactg tgtttcttc ctttgtgga 180  
aatatgtcat tctgaatctt caggacaac acatctggaa ggtgatactg tacaaattat 240  
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ctggtccact cctcccaaatt gcaggtccac tatttctgca gaaaaatgtg ggccccctcc 360  
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aaacggacaa tggtcagaac caccaaaatg cttagatcca tggtaatac cacaagaaat 540  
tatggaaaaaa tataacataa attaaatgt gacaaaccaa caaaagctt attcaagaac 600  
aggtgacata gttgaatttgg tttgtaaatc tggatatcat ccaacaaaat ctcatttcatt 660  
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<210> 63  
<211> 1164  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7522901CB1

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cttctcccttcttattaccct gggagtttagc cacagctccc gacgtgagaa tattcctggag 240  
acggggccac ttccacgggc agtccttcata cagcacaagg ccgccttcca ttcacaagga 300  
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<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7515599CB1

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gtcccatgtc tcaggattct acccaaagcc cgtgtgggtg atgtggatgc ggggtgagca 180  
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cagcagtcta gggggccatg atctaattcat ccattggcc ctgtcttct catgggagcc 360  
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<210> 65  
<211> 736  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520320CB1

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gtggctccca gcttga 736

<210> 66  
<211> 823  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7520323CB1

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<210> 67  
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<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
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atcacctgct ccaccagcgg gggctcggt gggatctacc tgaggcagct cgggccacag 300  
 ccccaagaca tcatttacta cgaggacggg gtggtgccca ctacggacag acggttccgg 360  
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